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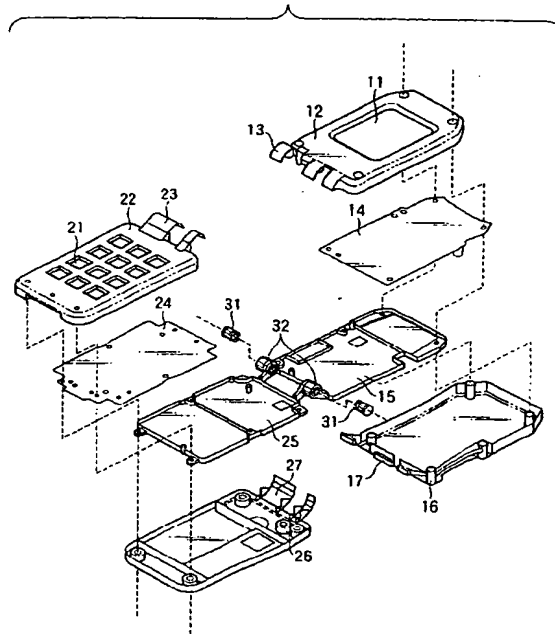
• **Kondou, Ko**  
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(54) **Folding portable cellular phone**

(57) A folding portable cellular phone includes a first box member and a second box member. The first box member includes: an upper case having a window for a display unit; an upper substrate on which electric parts are mounted; an upper hinge frame; and an upper cover on which these components are mounted. The second box member includes: a lower cover in which key holes are formed to provide a key console unit; a lower substrate including a PCB (Printed Circuit Board) on which electric parts are mounted; a lower hinge frame; and a lower case on which these components are mounted.

**FIG. 1**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 8927

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
E	EP 1 148 693 A (FUJITSU LTD) 24 October 2001 (2001-10-24) * page 2-5 * * figures 5,6 *	1-8	H04M1/02
A	US 6 011 699 A (EMMERT STEVEN C ET AL) 4 January 2000 (2000-01-04) * figures 3,4 * * column 1-2 * * column 4-5 *	1,9	
A	EP 0 772 333 A (NOKIA MOBILE PHONES LTD) 7 May 1997 (1997-05-07) * figure 3 *	1,9	
A	US 5 832 080 A (BEUTLER SCOTT DAVID ET AL) 3 November 1998 (1998-11-03) * figures 5,6 *	1,9	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)  H04M H05K G06F
Place of search MUNICH		Date of completion of the search 13 August 2003	Examiner Pastore, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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ON EUROPEAN PATENT APPLICATION NO.**

EP 01 11 8927

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The members are as contained in the European Patent Office EDP file on  
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13-08-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1148693	A	24-10-2001	JP 2002009914 A	11-01-2002
			EP 1148693 A2	24-10-2001
			US 2001034242 A1	25-10-2001
-----				
US 6011699	A	04-01-2000	BR 9803501 A	03-11-1999
			CA 2250482 A1	15-04-1999
			CN 1221312 A ,B	30-06-1999
			GB 2335089 A ,B	08-09-1999
			TW 405304 B	11-09-2000
-----				
EP 0772333	A	07-05-1997	US 5661797 A	26-08-1997
			BR 9605233 A	21-07-1998
			CA 2187050 A1	02-05-1997
			EP 0772333 A2	07-05-1997
-----				
US 5832080	A	03-11-1998	AU 706916 B2	01-07-1999
			AU 5065096 A	21-11-1996
			BR 9602189 A	07-04-1998
			CA 2174708 A1	10-11-1996
			CN 1151677 A ,B	11-06-1997
			DE 19618113 A1	14-11-1996
			FR 2734117 A1	15-11-1996
			GB 2300670 A ,B	13-11-1996
			IT RM960307 A1	06-11-1997
			JP 3342633 B2	11-11-2002
			JP 8321370 A	03-12-1996
			KR 231747 B1	15-11-1999
			RU 2129752 C1	27-04-1999
			SE 511649 C2	01-11-1999
			SE 9601724 A	10-11-1996
			SG 70987 A1	21-03-2000
-----				

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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**This Page Blank (uspto)**